



Micro Communications, Inc.
Microwave A MICROWAVE TECHNIQUES COMPANY

UHF Band IV-V Filter Typical Power: 500 W Digital Band Pass Filter Model: FLDV-118

Electrical Specifications

Filter type	Band pass coaxial	
Order	6 and 8 poles with internal feedback	
Frequency range	470-862 MHz	
Impedance	50 Ohm	
Minimum frequency spacing	Adjacent (critical mask)	
Maximum power handling	500 W RMS	
Connectors	DIN 7/16 (F)	
Channel bandwidth	6, 7, 8 MHz	
VSWR	< 1.15:1	
Frequency response (1)	474 MHz	858 MHz
f_0	≤ 0.8 dB	≤ 1.0 dB
$f_0 \pm 3.8$ MHz	≤ 1.7 dB	≤ 2.5 dB
$f_0 \pm 4.2$ MHz	> 8 dB	> 8 dB
$f_0 \pm 6$ MHz	> 40 dB	> 30 dB
$f_0 \pm 12$ MHz	> 60 dB	> 50 dB
Group delay variation	≤ 400 ns	
Thermal stability	≤ 2 kHz / °C	



Mechanical & Environmental Specifications

Dimensions (W x D x H) (1)	455 x 214 x 401 mm	
Materials	Outer conductor	Brass
	Inner conductor	Silver plated brass
	Tuning elements	Invar and silver plated brass
	Isolators	PTFE
	Finishing	Long lasting black paint
Temperature range	Screws	Stainless steel
		-10°C to +50°C

NOTES:

(1): Typical specifications for 8 MHz channels. For 6MHz DTV specifications contact MCI at sales@microwavetechniques.com or call 1-207-854-1700.



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Microwave Techniques, LLC | 28 Sanford Drive, Gorham, ME 04038

Email: sales@microwavetechniques.com | Phone: 1-207-854-1700